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- A m thod for inhibiting r jection by a r cipient 1 animal of a transplanted tissue, said method comprising 2 modifying, eliminating, or masking an antigen which, when 3 present on the surface of a cell of said tissue, is capable 4 of causing a T-lymphocyte-mediated response in said animal, 5 to inhibit antigen-mediated interaction between said cell 6 and a T-lymphocyte of said animal without causing lysis of 7 said cell. 8
- 2. The method of claim 1 wherein said inhibiting
 comprises masking said antigen by treating said tissue with
 a non-lytic masking agent which is capable of forming a
 complex with said antigen on said cell.
 - 3. The method of claim 1 wherein said inhibiting comprises modifying said antigen by capping.
 - 4. The method of claim 1 wherein said inhibiting comprises eliminating said antigen by inhibiting expression of said antigen on said cell.
- 5. The method of claim 4 wherein said antigen is an HLA class I antigen and said expression inhibiting comprises transfection of said cell with a fragment of a viral genome which decreases HLA class I expression.
- 6. The method of claim 1 wherein said inhibiting comprises eliminating said antigen by harvesting said tissue from a transgenic animal which has diminished capacity to express said antigen on the surface of said cell.
- 7. Th m thod of claim 6 wher in said antigen is an HLA class I antigen.

an HLA class I antigen and a cytotoxic CD8+ lymphocyt of

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- 1 19. The method of claim 2 wherein said antigen is 2 an LFA-3 molecule and a cytotoxic CD2+ lymphocyte of said 3 animal is inhibited, by said masking agent, from interacting 4 with said LFA-3 molecule on said cell.
- 1 20. The method of claim 2 wherein said antigen is 2 an ICAM-1 molecule and a cytotoxic LFA-1+ lymphocyte of said 3 animal is inhibited, by said masking agent, from interacting 4 with said ICAM-1 molecule on said cell.
 - 21. A tissue sample for transplantation into an animal, said tissue containing cells of a type normally bearing a surface antigen capable of causing a T-lymphocytemediated response in said animal, wherein said antigen on cells of said tissue sample is modified, masked, or has been eliminated to decrease said T-lymphocyte-mediated response.
- 1 22. The tissue sample of claim 21 wherein said 2 cells comprise genetically engineered cells with increased 3 capacity to express a cellular component.
- 23. The tissue of claim 21 wherein said antigen is 2 an HLA class I antigen.
- 24. The tissue of claim 21 wherein said antigen is an HLA class II antigen.
- 25. The tissu f claim 21 wherein said antigen is 2 mask d with an F(ab')₂ fragm nt of an antibody.

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	1	26. The tissue of claim 26 wherein said F(ab')2
	2	fragment comprises a polyclonal antisera generated against
	3	said tissue.
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	2	islet cells.
		a late of the main sold solls are
	1	28. The tissue of claim 21 wherein said cells are
	2	muscle cells.
		29. The tissue of claim 21 wherein said cells are
	1 2	liver cells.
	2	11Vet Celia.
The first three three facts of the facts that the facts three three facts thre	3	30. The tissue of claim 21 wherein said cells are
	4	neuronal cells.
	1	31. The tissue of claim 21 wherein said tissue
	2.	comprises heart tissue.
the first flash the first flash flas		
	1	32. The tissue of claim 21 wherein said tissue
	2	comprises lung tissue.
	_	33. The tissue of claim 21 wherein said tissue
	1	comprises liver tissue.
	2	Comprises liver clasue.
	1	34. The tissue of claim 21 wherein said tissue
	2	comprises kidney tissue.
	1	35. A method for inhibiting rejection by a
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- 3 bearing a surface antig n capabl of causing a T-lymphocyte-
- 4 mediated response in said animal via a receptor molecule on
- 5 said T-lymphocyte of said animal, said method comprising
- 6 transfecting said cells with DNA encoding a secretable
- 7 protein or peptide capable of binding to said receptor
- 8 molecule to competitively inhibit binding of said T-
- 9 lymphocyte to said cells of said tissue via said receptor.

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